6U5

ELECTRON-RAY TUBE

INDICATOR TYPE WITH REMOTE-CUTOFF TRIODE UNIT

GENERAL DATA

Electrical:

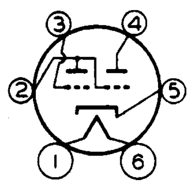
Heater, for Unipotential Cathode:

Voltage	6.3	ac or dc volts
Current	0.3	amp

Mechanical:

Mounting Position	Any
Maximum Overall Length	4-3/16"
Seated Length	3-3/8 ± 3/16"
Maximum Diameter	1-3/16"
Bulb	T-9
Base	Small-Shell Small 6-Pin (JETEC No.A6-7)
Basing Designation for BOTTOM VIEW	6R

Pin 1 - Heater
Pin 2 - Triode Plate, Ray-Control Electrode



Pin 3 - Triode Grid
Pin 4 - Target
Pin 5 - Cathode
Pin 6 - Heater

INDICATOR SERVICE

Maximum Ratings, *Design-Center Values:*

TRIODE-PLATE SUPPLY VOLTAGE	285 max.	volts
TARGET VOLTAGE	285 max.	volts
	125 min.	volts ←
TRIODE-PLATE DISSIPATION	1.0 max.	watt
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode	90 max.	volts
Heater positive with respect to cathode	90 max.	volts

Typical Operation:

Plate Supply and Target Voltage	200	250	volts
Series Triode-Plate Resistor	1	1	megohm
Target Current† for zero grid voltage	3	4	ma
Triode-Plate Current for zero grid voltage	0.19	0.24	ma
Triode-Grid Voltage (Approx.):			
For 0° shadow angle	−18.5	−22	volts
For 90° shadow angle	0	0	volts

† Subject to wide variations.

Refer to Type 6E5 for a discussion of the operation of the tube and also for the fundamental circuit.

← Indicates a change.

6U5

6U5

AVERAGE CONTROL CHARACTERISTICS

